

Comparisons of Job Characteristics

Focus Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.0	18.0	>>	Current knowledge level is likely more than sufficient
Building and Construction	4.0	10.7	9.1	<	Expanded education and/or training may be required
Public Safety and Security	6.9	9.1	11.8	>>	Current knowledge level is likely more than sufficient
Production and Processing	6.0	8.4	15.2	>>	Current knowledge level is likely more than sufficient
Transportation	4.6	7.4	12.7	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	13.2	13.3	0	Current skill level may be sufficient
Operation Monitoring	6.6	11.4	13.2	>	Skill level is likely sufficient
Troubleshooting	4.5	8.3	8.9	0	Current skill level may be sufficient
Repairing	3.4	8.2	9.6	>	Skill level is likely sufficient
Equipment Maintenance	3.5	8.0	10.1	>	Skill level is likely sufficient
Equipment Selection	3.3	6.7	5.6	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 86			
Focus Occupation: Continuous Mining Machine Operators (47-5041) Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	15.6	14.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	15.6	13.2	<	Some improvement in abilities may be required
Depth Perception	5.3	14.4	11.5	<	Some improvement in abilities may be required
Reaction Time	4.8	13.4	13.2	0	Current ability level may be sufficient
Response Orientation	4.0	13.0	11.2	<	Some improvement in abilities may be required
Far Vision	7.8	12.9	10.8	<	Some improvement in abilities may be required
Auditory Attention	5.9	12.6	11.3	<	Some improvement in abilities may be required
Spatial Orientation	2.7	11.4	6.9	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	9.8	5.1	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	9.6	7.1	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	7.6	7.2	0	Current ability level may be sufficient
Night Vision	2.1	6.5	7.2	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 83
Focus Occupation: Continuous Mining Machine Operators (47-5041) Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)		
Work Activities	Exclusivity of Activity	
Operate earth-moving or other heavy construction equipment	80	
Use hand or power tools	2	
Use measuring devices in construction or extraction work	41	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 55

Focus Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Tools and Technologies	Exclusivity
Dispensing tools	6
Earth moving machinery	11
Forming tools	2
Hearing protectors	12
Holding and clamping tools	3
Information exchange software	1
Lifting equipment and accessories	3
Measuring and layout tools	3
Respiratory protection	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.